AGENCY USE ONLY							
PERMIT NO.: Date Rec'd.: Amount Rec'd.: Check No.: Rec'd By:							
	E	itana Depart VIRONMEN R PROTECTION	TAL (Qu	IALITY		
FORM					Discharge FI	ination	
NOI	Notice of Intent (N System Applicat	5			_		
- NAC 130 June 1	System Applica			_		Allillai	
Feeding Operations The Application form is to be completed by the owner or operator of a Concentrated Animal Feeding Operation (CAFO) or Aquatic Animal Production Facility. Please read the attached instructions before completing this form. You must print or type legibly; forms that are not legible or are not complete will be returned. You must maintain a copy of the completed application form for your records.							
Section A - Applica	tion Status (Check one):	-					
New	No prior applicat	ion submitted for t	this site.				
✓ Resubmitted	0.4.0.0.0.4						
Renewal	Permit Number:	MTG			7 7 20 2		
Modification Permit Number: MTG NOV 2 3 2016							
Section B - Facility or Site Information (See instruction sheet.): Site Name Gerald Schroeber Feedlot DEQ WATER QUALITY DIVISION							
Site Location 5.7 miles Northeast of Fallon Mt. on CBR road; NW,SW,SE,Sec17,T17N,R53E							
Nearest City or Town Fallon, Montana County Prairie							
Latitude 46* 52' 45.62" N Longitude 105* 2' 17.87" W							
Date Facility began operation? ~ 1970							
Is this facility or site located on Indian Lands? Yes No							
Section C - Applicant (Owner/Operator) Information:							
Owner or Operator Name Wade and Will Nielson							
Mailing Address 313		- 50220			DECTA		
City, State, and Zip C Phone Number 406-	Code Glendive, Montana -377-5847	1 59330	-		Control of the second	<u> </u>	
	bove the owner? \(\subseteq \text{Yes}	✓ No				9	
Status of Applicant (Ch	eck one) Federal St	ate 🗸 Private	Public _	Other	(specify)		

Section D - Existing or Pen	ding Permits,	Certifications,	or Approvals: 🗸 None	
MPDES			RCRA	
PSD (Air Emissions)			Other	
		_	Other	
Section E – Standard Ind	ustrial Classifi	cation (SIC) Co	odes:	
Provide at least one SIC cod	e which best refl	ects the activity	of project described in Section H.	
Code A.	Primary	Code	B. Second	
1 0122 - Beef Ca	ttle Feedlot	2		
Code C	. Third	Code	D. Fourth	
3		3		
Section F - Facility or Site Name and Title, or Position Mailing Address PO Box	Title Larry Je	n/Position: rke (Gerald Sc	chroeber's cousin, he has POA for Gerald)	
City, State, and Zip Code^	liles City, Mor	ntana		
	6) 234-5576			
Section G - Receiving Surf	ace Waters(s):			
	ocations: For eac		tude and longitude to the nearest second and eiving waters	
Outfall Number	Latitude	Longitude	Receiving Surface Waters	
001	46*52'34.55"N	105*82'38.56"W	Yellowstone River	
002				
003				
004				
005				
	or activity bound c location of the	daries, major drain production area, a		ed

Section H – Concentration Animal Feeding Operation Characteristics Waste Production, Storage and Disposal

	Animal type	Number in Open Confinement	Number Housed Under Roof
	Mature Dairy Cows		
	Dairy Heifers		
	Veal Calves		
4	Cattle (not dairy or veal)	800	0
	Swine (55 lbs or over)		
	Swine (55 lbs or under)		
	Horses		
	Sheep or Lambs		
	Turkeys		
	Chickens (broilers)		
	Chickens (layers)		8
	Ducks		
	Other (Specify:)		
	Other (Specify:)		4
	Other (Specify:)		

		2
	Litter and/or Wastewater Product	
riow much	i manure, inter, and process wastew	ater is generated annually by the facility?
Solid (tons	s): 3,375	Liquid/Slurry (gallons):
If land app	olied, how many acres of land under	control of the permit applicant are available to apply the manure, litter, or
process wa	astewater generated from the facility	? (Note: Do not include setback distances in available acreage
-	Acres	
How much	n manure, litter, and process wastew	ater is transferred to other persons per year? (estimated) Solid
(tons): 3,3	75	Liquid/Slurry (gallons):
	4	
Were the c	containment structures built after Fel	bruary 2006? No
	Do the waste containment structure	es have 10 feet of separation between the pond bottom and any bedrock
	formations?	
	Do the waste containment structur	es have 4 feet of separation from the pond bottom and any ground water?
	Were any of the waste containmen	at structures built within 500 feet of any existing well?

	T	T	11-14-1-11	D	
	Type of Containment/Storage	Total Capacity	Units (gallons or tons)	Days of Storage	
	Anaerobic Lagoon				
	Storage Pond #1				
	Storage Pond #2				
	Storage Pond #3				
	☐ Storage Pond #4				
	☐ Storage Pond #5				
	☐ Above Ground Storage Tank	-			
	☐ Below Ground Storage Tank #1				
	☐ Below Ground Storage Tank #2				
	☐ Underfloor Pits				
	☐ Roofed Storage Shed				
	☐ Concrete Pad				
	□ Impervious Soil Pad			2	
	☐ Other (Specify:)				
	☐ Other (Specify:)				
Physica	al Data for CAFO				
develope One) Doe Date Date Date	artment (Form NMP). Check the box below ed in accordance with ARM 17.30.1334 and sthe facility have an NMP? e NMP was developed: e NMP was last modified: P has not been prepared; provide detailed exure is exported	l implemented upon	ovide the required informathe effective date of perm	ntion. The NMP r	nust be
There h	I – Supplemental Information have been no containment structures and Vegetated Treatment Area are pla ria in the CAFO General Permit.				
					3

Section J - CERTIFICATION

Permittee Information:

This Form NMP must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA]

A. Name (Type or Print)	
Gerald Schroeber by harry Jerke P.O.A.	
B. Title (Type or Print) Rowr of Attorney C. Phone No.	
D. Signature E. Date Signed 11/22/12	e_
	_

The Department will not process this form until all of the requested information is supplied, and the appropriate fees are paid. Return this form (NOI) and the applicable fee to:

Department of Environmental Quality
Water Protection Bureau
PO Box 200901
Helena, MT 59620-0901
(406) 444-3080

Form NOI – Application for New and Existing Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities

Important: Do not use this form to transfer permit coverage to a new owner or operator, you must use Form PTN. You must provide the information requested for this application to be complete. Responses must be self-explanatory and must not refer exclusively to attached maps, plans or documents. The appropriate fees must accompany this Form NOI. Mail this to the DEQ address stated on the form. You must maintain a copy of the completed form for your records. CAFO General Permit and the Fish Farm General Permit documents and related forms are available at (406) 444-3080 or on the DEQ website at: http://www.deq.mt.gov.

Please type or print legibly; applications that are not legible or are not complete will be rejected.

SPECIFIC ITEM INSTRUCTIONS

Section A - Application Status

Check the box that applies and provide the requested information. If Form NOI has not been previously submitted for this site, check the first box (New). DEQ will assign a permit number when the form is submitted. The permit number is a 9-digit code beginning with MTG010. If you submitted a Form NOI and DEQ deemed the application deficient or incomplete, check the second box (Resubmitted); If you were notified by DEQ that the permit coverage expired or will expire and you are now submitting an NOI to continue coverage check the third box (Renewal); if there is a change in the facility information (Section H or Section I), check the last box (Modification). If a NOI has been submitted and deemed deficient then the permit number will appear in the deficiency letter. If the site is covered under the *General Permit for Concentrated Animal Feeding Operations* or the *General Permit for Fish farms*, the number is given on the Authorization letter sent to you by DEQ. The permit number must be included on any correspondence with DEQ regarding this site.

Section B - Facility Information:

Identify the legal name of the facility that is subject to permit coverage. The facility is the land or property where the facility or activity is physically located or conducted, including adjacent land used in connection with the facility or activity. Give the address or location of this facility and the geographical information. The location may be the physical mailing address or description of how the facility may be accessed. (PO Boxes are not acceptable.) Latitude and longitude must be accurate to the nearest second. Sources include GPS, a USGS topographic map, and/or "Topofinder" from http://nris.mt.gov/interactive.asp.

Section C-Applicant (Owner/Operator) Information:

Give the name, as it is legally referred to, of the person, business, public organization, or other entity that owns, operates, controls or supervises the facility described in Section B of this Form. The operator is the legal entity which controls the facility operation. The permit will be issued to the entity identified in this section (Section C). The owner or operator assumes all liability for discharges of the facility and compliance with the permit. If the owner or operator is other than a person or government entity it must be registered with the Montana Secretary of State's office.

Section D - Existing or Pending Permits, Certification, or Approvals:

List, in descending order of significance, the four digit standard industrial codes that best describe the activities at this facility. Also, provide a brief description in the space provided. A complete list of SIC Codes (and conversion form the newer North American Industry Classification System (NAICS)) can be obtained from the Internet at http://www.census.gov/epcd/www/naics.html or in paper from the document entitled "Standard Industrial Classification Manual", Office Management and Budget, 1987. SIC Code listings may also be found at http://www.osha.gov/pls/imis/sicsearch.html. At least on SIC code must be provided. See attached table for common SIC codes.

Section F - Facility Contact Person/Position:

Give the name, title, and work phone number of a person who is thoroughly familiar with the operation of the facility and the facts reported in this form, and who can be contacted by DEQ for additional information. Those facilities with periodic changes in the contact person may provide the contact person's position instead of a person's name.

August 2013 CAFO Notice of Intent Page 6 of 8

Section G - Receiving Surface Water(s):

An outfall location is considered to be a discrete channel, conveyance, structure, or flow path from which the discharge leaves the boundary of the facility and/or enters surface water. "Surface waters" is defined in ARM 17.30.1102(32) as any waters on the earth's surface including, but not limited to, streams, lakes, ponds, reservoir, or other surface water including ephemeral and intermittent drainage ways and irrigation systems. Water bodies used solely for treating, transporting, or impounding pollutants shall not be considered surface water. Provide the following information in the table on the application form:

- 1. Assign a number to each outfall starting with 001. If the outfall is not well defined, assign the outfall number to the drainage area. For existing permittees, ensure outfall numbers used are consistent with those identified in the past for the same outfall.
- 2. Latitude/longitude can be derived from USGS 7.5 minute topographic map and/or "Topofineder" at http://nris.mt.gov/interactive.html. Latitude and longitude must be accurate to the nearest second.
- 3. Give the name of the surface waters that receive the discharge. If the discharge reports to a municipal storm sewer, please indicate so.
- 4. Please attach a USGS topographic map(s) indicating the boundary of your facility, major drainage patterns, and the receiving surface water(s).

The facility must check the CWAIC data base at http://cwaic.mt.gov/ to determine if the receiving water is impaired for nutrient (nitrate and/or phosphorus).

Section H - Concentrate Animal Feeding Operation Characteristics:

Waste Production, Storage and Disposal:

Report the maximum number of each type of animal confined at any one time and the type of confinement structure used for each (e.g. open feedlot, under roof.)

Manure, Litter, and/or Wastewater Production and Use:

To transfer waste means to give away or sell waste to another person for disposal on land owned or controlled by someone other than the permit applicant.

The term "storage pond," includes, but is not limited to ponds, aerobic lagoons, evaporation ponds, manure holding cells, collection basins, settling basins, bermed or diked areas used for impounding waste, and temporary or seasonal waste holding ponds.

"Production area" means that part of an Animal Feeding Operation (AFO) that includes the animal confinement area, the manure storage area, the raw materials storage area, and the waste containment areas. The animal confinement area includes but is not limited to open lots, housed lots, feedlots, confinement houses, stall barns, free stall barns, milk rooms, milking centers, cow yards, barnyards, medication pens, walkers, animal walkways, and stables. The manure storage area includes but is not limited to lagoons, runoff ponds, storage sheds, stockpiles, under house or pit storage, liquid impoundments, static piles, and composting piles. The raw materials storage area includes but is not limited to feed silos, silage bunkers, and bedding materials. The waste containment area includes but not limited to settling basins, and areas within berms and diversion which separate uncontaminated storm water. Also include in the definition of production area is any egg washing or egg processing facility, and any area used in storage, handling, treatment, or disposal of mortalities.

"Land application area" means land under control of AFO owner or operator, whether it is owned, rented, or leased, to which manure, litter or process wastewater from the production area is or may be applied.

Section I - Supplemental Information:

Use the space provided to expand upon any information requested in the application or information you wish to bring to the attention of the reviewer. Attach additional sheets, if necessary. For applicants requesting a modification to an existing authorization or site-specific Nutrient Management Plan (aka Form NMP), provide and explanation of the requested modification.

Common Standard Industrial Classification (SIC) Codes

211 Beef Cattle, Except Feedlots 212 Beef Cattle, Except Feedlots 213 Hogs 214 Sheep and Goats 241 Dairy Farms 251 Broller, Fryer and Roaster Chickens 252 Chicken Eggs 253 Turkeys and Turkey Eggs 254 Poultry hatcheries 259 Poultry hatcheries 259 Poultry hatcheries 250 Poultry and Eggs, not elsewhere classified (Ducks) 272 Horses and other Equines 251 Bit Matcheries and Preserves 251 Bit Matcheries and Preserves 251 Bit Matcheries and Preserves 252 Bit Matcheries and Preserves 253 Dairy Freserves 254 Bit Mining 254 Bit Mining 255 Bit Matcheries and Preserves 256 Dairy Freserves 257 Bit Matcheries and Preserves 258 Bit Mining 258	Division	SIC	Industrial Activity Represented				
Agriculture, Forestry and Fishing 214 Sheep and Goats 214 Dairy Farms 251 Broiler, Fryer and Roaster Chickens 252 Chicken Eggs 253 Turkeys and Turkey Eggs 254 Poultry hatcheries 259 Poultry hatcheries 259 Poultry hatcheries 259 Poultry and Eggs, not elsewhere classified (Ducks) 272 Horses and other Equines 272 Horses and Preserves 273 Lead and Zinc 274 Horses and Preserves 275		211					
Agriculture, Forestry and Fishing 214 Sheep and Goats 214 Dairy Farms 251 Broiler, Fryer and Roaster Chickens 252 Chicken Eggs 253 Turkeys and Turkey Eggs 254 Poultry hatcheries 259 Poultry hatcheries 259 Poultry hatcheries 259 Poultry and Eggs, not elsewhere classified (Ducks) 272 Horses and other Equines 272 Horses and Preserves 273 Lead and Zinc 274 Horses and Preserves 275		212	Beef Cattle, Except Feedlots				
Agriculture, Forestry and Fishing 251 Broller, Fryer and Roaster Chickens 252 Chicken Eggs 253 Turkeys and Turkey Eggs 254 Poultry and Eggs, not elsewhere classified (Ducks) 272 Horses and other Equines 272 Horses and Preserves 273 Fish Hatcheries and Preserves 274 Horses and Preserves 275 Fish Hatcheries and Preserves 276 Fish Hatcheries and Preserves 277 Fish Hatcheries and Preserves 277 Fish Hatcheries and Preserves 278 Fish Hatcheries 278 Fish Ha		213	Hogs				
Sericulture, Forestry and Fishing 251 Broiler, Fryer and Roaster Chickens 252 Chicken Eggs 253 Turkeys and Turkey Eggs 254 Poultry hatcheries 259 Poultry and Eggs, not elsewhere classified (Ducks) 272 Horses and other Equines 272 Horses and other Equines 273 Tish Hatcheries and Preserves 274 Horses and Preserves 275 Horses and Dreserves 275 Horses American Amer		214	Sheep and Goats				
Pishing 252		241	Dairy Farms				
Pishing 252	Agriculture, Forestry and	251	Broiler, Fryer and Roaster Chickens				
254 Poultry hatcheries 259 Poultry and Eggs, not elsewhere classified (Ducks) 272 Horses and other Equines 273 Horses and Preserves 274 Fish Hatcheries and Preserves 275 Lead and Zinc 276 John Struction 276 John Struction 277 John Struction 278 John Struction 279 John Struction 270 John Struction		252	Chicken Eggs				
259 Poultry and Eggs, not elsewhere classified (Ducks) 222 Horses and other Equines 921 Fish Hatcheries and Preserves 1021 Copper Ores 1031 Lead and Zinc 1044 Silver Ores 1044 Gold Ores 1221 Bituminous Coal and Lignite' Surface Mining 1311 Crud Petroleum and Natural Gas 1442 Construction Sand and Gravel 1521 General Contractor - Single Family Houses 1522 General Contractor - Residential Buildings, Other than Single Family General Contractor - Residential Buildings, Other than Industrial Buildings and Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1494 Excavation Work 1494 Excavation Work 1494 Excavation Work 1494 Excavation More 1494 Excavation More		253	Turkeys and Turkey Eggs				
272 Horses and other Equines 921 Fish Hatcheries and Preserves 922 Fish Hatcheries and Preserves 923 Lead and Zinc 924 Fish Hatcheries and Preserves 925 Fish Hatcheries and Preserves 926 Fish Hatcheries and Preserves 927 Fish Hatcheries and Preserves 928 Fish Hatcheries and Preserves 928 Fish Hatcheries and Preserves 929 Fish Hatcheries 929 Fish Hatcheries and Preserves 929 Fish Hatcheries and Preserves 929 Fish Hatcheries 929 Fish Hatcheri		254	Poultry hatcheries				
P311 Fish Hatcheries and Preserves		259	Poultry and Eggs, not elsewhere classified (Ducks)				
Mining Mining Lead and Zinc		272	Horses and other Equines				
Mining 1031 Lead and Zinc 1044 Silver Ores 1041 Gold Ores 1041 Gold Ores 1221 Bituminous Coal and Lignite' Surface Mining 1311 Crud Petroleum and Natural Gas 1442 Construction Sand and Gravel 1521 General Contractor - Single Family Houses 1522 General Contractor - Residential Bidgs. Other Than Single Family General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses 1612 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1629 Petroleum and Maintenance Services, Not Elsewhere 1620 Meat Packing Plants 1620 Meat Packing Plants 1620 Petroleum Refining 1620 Petr		921	Fish Hatcheries and Preserves				
Mining 1044 Silver Ores 1041 Gold Ores 1221 Bituminous Coal and Lignite Surface Mining 1311 Crud Petroleum and Natural Gas 1442 Construction Sand and Gravel 1521 General Contractor - Single Family Houses 1522 General Contractor - Residential Bidgs. Other Than Single Family 6 General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1623 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2012 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 49653 Scrap and Waste Materials Wholesale Trade 8054 Gasoline Service Station		1021	Copper Ores				
Mining 1041 Gold Ores 1221 Bituminous Coal and Lignite Surface Mining 1311 Crud Petroleum and Natural Gas 1442 Construction Sand and Gravel 1521 General Contractor - Single Family Houses 1522 General Contractor - Residential Bidgs. Other Than Single Family 1542 General Contractor - Residential Bidgs. Other Than Single Family 1542 General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1794 Excavation Work		1031	Lead and Zinc				
1221 Bituminous Coal and Lignite Surface Mining 1311 Crud Petroleum and Natural Gas 1442 Construction Sand and Gravel 1521 General Contractor - Single Family Houses 1522 General Contractor - Single Family Houses 1522 General Contractor - Nonresidential Bildgs. Other Than Single Family Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2421 Sawmills and Planning Mills, General 2421 Sawmills and Planning Mills, General 2421 Petroleum Refining 3241 Cement, Hydraulic 2421 Cement, Hydraulic 2421 Severage Systems 2422 Severage Systems 2423 Severage Systems 2424 Severage Systems 2424 Severage Systems 2424 Severage Systems 2425 Severage Systems 2426 Severag		1044	Silver Ores				
1311 Crud Petroleum and Natural Gas 1442 Construction Sand and Gravel 1521 General Contractor - Single Family Houses 1522 General Contractor - Residential Bidgs. Other Than Single Family 1542 General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1624 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1794 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4951 Sewerage Systems 4952 Sewerage Systems 4953 Refuse Systems 4954 Livestock 4957 Petroleum Bulk Stations and Terminals 4954 Gasoline Service Station 4955 Gasoline Service Station 4956 4956 4956 4957 Petroleum Bulk Stations and Terminals 4956 4957	Mining	1041	Gold Ores				
1442 Construction Sand and Gravel 1521 General Contractor - Single Family Houses 1522 General Contractor - Residential Bidgs. Other Than Single Family 1542 General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 17349 Building Cleaning and Maintenance Services, Not Elsewhere 1794 Building Cleaning and Maintenance Services, Not Elsewhere 1794 Sawmills and Planning Mills, General 1794 Sawmills and Planning Mills, General 1794 Cement, Hydraulic 1794 Petroleum Refining 1794 Cement, Hydraulic 1795 Sewerage Systems 1795 Sewerage Systems 1796 Severage Systems 1797 Severage Systems 1798 Services Systems 1799 Scrap and Waste Materials 1790 Petroleum Bulk Stations and Terminals 1794 Petroleum Bulk Stations and Terminals 1794 Petroleum Service Station		1221	Bituminous Coal and Lignite Surface Mining				
1521 General Contractor - Single Family Houses 1522 General Contractor - Residential Bidgs. Other Than Single Family 1542 General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1794 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 2421 Cement, Hydraulic 2911 Petroleum Refining 2914 Cement, Hydraulic 2911 Cement, Hydraulic 2911 Cement, Hydraulic 2912 Sewerage Systems 2953 Refuse Systems 2953 Refuse Systems 2953 Scrap and Waste Materials 2514 Livestock 2517 Petroleum Bulk Stations and Terminals 2541 Gasoline Service Station 2541 Cament Station		1311	Crud Petroleum and Natural Gas .				
Transportation, Communications, Electric, Gas and Sanitary Services Manufacturing 1522 General Contractor - Residential Bidgs. Other Than Single Family Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 17349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 4953 Refuse Systems 4954 Livestock 5174 Petroleum Bulk Stations and Terminals Betail Trade 8541 Gasoline Service Station		1442	Construction Sand and Gravel				
Construction1542General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses1611Highway and Street Construction, Except Elevated Highways1622Bridge, Tunnel, and Elevated Highway construction1623Water, Sewer, Pipeline, communications & Power Line Construction1629Heavy construction, Not Elsewhere Classified1794Excavation Work7349Building Cleaning and Maintenance Services, Not Elsewhere2053Beet Sugar2421Sawmills and Planning Mills, General2611Pulp Mills2911Petroleum Refining3241Cement, Hydraulic2911Petroleum Refining3241Cement, Hydraulic4911Electric Services4941Water Supply4952Sewerage Systems4953Refuse Systems4953Refuse Systems5093Scrap and Waste Materials5154Livestock5171Petroleum Bulk Stations and TerminalsRetail Trade5541Gasoline Service Station		1521	General Contractor - Single Family Houses				
Construction 1542 Warehouses 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems Services 4953 Refuse Systems Wholesale Trade 4953 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Betail Trade 5541 Gasoline Service Station		1522	General Contractor - Residential Bldgs. Other Than Single Family				
Construction 1611 Highway and Street Construction, Except Elevated Highways 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 4953 Refuse Systems 5093 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals 5541 Gasoline Service Station	*	1542	General Contractor - Nonresidential Buildings, Other than Industrial Buildings and Warehouses				
Construction 1622 Bridge, Tunnel, and Elevated Highway construction 1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 4953 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals 8054 Fetroleum Bulk Stations and Terminals 1629 Refuse System 1629 Heavy construction, Not Elsewhere Classified 1794 Electric Services, Not Elsewhere 2011 Meat Packing Plants 2011 Meat Packing Plants		1611	· · · · · · · · · · · · · · · · · · ·				
1623 Water, Sewer, Pipeline, communications & Power Line Construction 1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 1794 Excavation Work 1794 Excavation Work 1794 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 2411 Cement, Hydraulic 2911 Petroleum Refining 2411 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 4953 Refuse Systems 5093 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals 5541 Gasoline Service Station 2610 Center Construction 2610 Center Construction 2610 Center Classified 2610 Center Classified 2611 Cen	Construction	-					
1629 Heavy construction, Not Elsewhere Classified 1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 2911 Petroleum Refining 3241 Cement, Hydraulic 2911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals 5541 Gasoline Service Station 5541 Gasoline Service Station 2015							
1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 8 Estail Trade 1794 Excavation Work 7349 Building Cleaning and Maintenance Services, Not Elsewhere 2011 Meat Packing Plants 2012 Seweral Supply 2013 Septimized Services 2014 Water Supply 2015 Sewerage Systems 2016 Service Systems 2017 Service Supply 2016 Service Systems 2017 Service Supply 2017 Service Supply 2018 Service Systems 2018 Service Systems 2019 Service Station							
Transportation, Communications, Electric, Gas and Sanitary Services Wholesale Trade Trade							
Manufacturing 2011 Meat Packing Plants 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic Transportation, Communications, Electric, Gas and Sanitary Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 8eet Sugar 4911 Electric Services 4912 Water Supply 4953 Sewerage Systems 4954 Refuse Systems 5095 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals 5541 Gasoline Service Station							
Manufacturing 2063 Beet Sugar 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 8etail Trade 2611 Pulp Mills 2911 Petroleum Bulk Stations and Terminals 5541 Gasoline Service Station		2011					
Manufacturing 2421 Sawmills and Planning Mills, General 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 8etail Trade 5541 Gasoline Service Station		2063					
Manufacturing 2611 Pulp Mills 2911 Petroleum Refining 3241 Cement, Hydraulic 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 8etail Trade 7554 Gasoline Service Station							
Transportation, Communications, Electric, Gas and Sanitary Services 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Betail Trade 5541 Gasoline Service Station	Manufacturing						
Transportation, Communications, Electric, Gas and Sanitary Services 4911 Electric Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Betail Trade 5541 Gasoline Service Station		HISTORY COLUMN					
Transportation, Communications, Electric, Gas and Sanitary Services 4941 Water Supply 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Service Station							
Communications, Electric, Gas and Sanitary Services 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials Wholesale Trade 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Betail Trade 6391 Sewerage Systems 5093 Scrap and Waste Materials 5154 Livestock 5171 Gasoline Service Station		4911	Electric Services				
Communications, Electric, Gas and Sanitary Services 4952 Sewerage Systems 4953 Refuse Systems 5093 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Retail Trade 5541 Gasoline Service Station	N 10-00-00-0 10 10-0 10 10-15		Water Supply				
Wholesale Trade 5093 Scrap and Waste Materials 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Betail Trade 5541 Gasoline Service Station		4952	Sewerage Systems				
Wholesale Trade 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Betail Trade 5541 Gasoline Service Station	Gas and Sanitary Services	4953	Refuse Systems				
Wholesale Trade 5154 Livestock 5171 Petroleum Bulk Stations and Terminals Betail Trade 5541 Gasoline Service Station							
5171 Petroleum Bulk Stations and Terminals S541 Gasoline Service Station	Wholesale Trade	_					
Retail Trade		5171	Petroleum Bulk Stations and Terminals				
Retail Trade 5984 Liquefied Petroleum Gas (Bottled Gas) Dealers		5541	Gasoline Service Station				
	Retail Trade	5984	Liquefied Petroleum Gas (Bottled Gas) Dealers				
7011 Hotels and Motels		7011					
Services 7033 Recreational Vehicle Parks and Campsites	Services	7033					
7542 Carwashes							
9224 Fire Protection		9224	Fire Protection				
Public Administration 9711 National Security	Public Administration	9711	National Security				

AGENCY USE ONLY PERMIT NO.: Date Rec'd.: Amount Rec'd .: Check No .: Rec'd By: Montana Department of WATER PROTECTION BUREAU **FORM Nutrient Management Plan NMP** READ THIS BEFORE COMPLETING FORM: Before completing this form (Form NMP), Concentrated Animal Feeding Operation (CAFO) operators need to read the General Permit, particularly Part IV.A. CAFO operators also need to read the "Instructions For filling out Form NMP," found at the back of this form. Form NMP is intended to help CAFO operators develop a site-specific Nutrient Management Plan, in compliance with Part IV.A of the General Permit and all applicable State rules and statutes. Your Nutrient Management Plan must be maintained at the site as required in Part III of the General Permit. Sections B and C on your Form NMP must state the information exactly the same way as it was stated on the most recently submitted version of your NOI-CAFO. Attach additional pages as necessary, indicating the corresponding section number on this NMP form. The 2013 General Permit, current fee schedule, and related forms are available from the Water Protection Bureau at (406) 444-3080 or http://www.deg.mt.gov/wqinfo/MPDES/CAFO.asp Section A - NMP Status: No prior NMP submitted for this site. New ✓ Resubmitted Previous NMP found incomplete. Modification Change or update to existing NMP. New 2013 New 2013 version of NMP. Section B - Facility Information: Facility Name Gerald Schroeber Feedlot Facility Location 5.7 miles NE of Fallon Mt. on CBR Road County Prairie Nearest City of Town Fallon, Montana Section C - Applicant (Owner/Operator Information): Owner or Operator Name Wade and Will Nielson Mailing Address 313 Ponderosa Drive City, State, and Zip code Glendive, Montana 59330

Email

Facility Phone Number 406-377-5847

animals	# of Days on Site (per year)	Annual Manure Production (tons, cu. yds. or gal
1. Beef Calves 750 lbs	180 days	3375 tons
2.		
3.		
4.	,	
5.		
6.		,
7.		
8.		
Describe Manure handling at the f	acility:	will be exported
Describe Manure handling at the fanure will be cleaned from pens in Frequency of Manure Removal from hually in September	•	will be exported
Frequency of Manure Removal from	•	· .

Waste Control	Length	Width	Depth	Volume	Number of
Structures	(ft.)	(ft.)	(ft.)	(cubic ft.	days of
(name/type)				or gallons)	storage
1. VTA (proposed)	700	150			(4
2.					
3.					
4.					
5.					
6.					
7.					*
8.					
9.					
10.					
11.					
12.					
24 hr. 25 yr. storm e area: 7.5 acres	vent at this	facility 3.0	inches	., dirt	-

What is the 24 hr. 25 yr. storm event at this facility 3.0 inches
Production area: 7.5 acres acres. Type of lot (dirt or paved): dirt
Area contributing drainage form outside CAFO that enters confinement areas and waste storage conveyance, or treatment structures:0 acres.
What is the annual precipitation during the critical storage period 10 - 12"
How much freeboard do the pond(s) have NIA
4. Disposal of Dead Animals.

Describe how dead animals are disposed of at this facility: All dead animals will be disposed of at a properly licensed landfill within 1 week of death.

5. Clean Water Diversion Practices

Describe how clean water is diverted from production area:

The facility sits alongside of the CBR Road down gradient. There are no culverts or other conduits that allow water to access the facility. A small clean water diversion will need to be installed once the VTA (Vegetated Treatment Area) is designed and installed.

6. Prohibiting Animals and Wastes from Contact with State Waters

Describe how animals and wastes are prohibited from direct contact with state waters:

There are no State Waters accessible to Livestock in this facility

Describe how Chemicals and other contaminants are handled on-site:

No chemicals or other contaminants are handled on this site. Feed storage area was analyzed and accounted for in Facility analysis done by NRCS

7. Best Management Practice (BMPS)

Describe in detail all temporary, permanent and structural BMPS which will be used to control runoff of pollutants from facility's production area. Indicate the location of these measures. If BMPS are not installed include a schedule for implementation of each of these measures. Examples of BMP measures could include but are not limited to: constructing ditches, terraces,, and waterways above and open lot to divert clean water run on; installing gutters, downspouts and buried conduits to divert roof drainage; providing more roofed area: decreasing open lot surface area; repairing of adjusting water systems to minimize water wastage; using practical amounts of water for cooling purposes; recycling water if practical and applicable.

Production Area BMP's

A VTA will be constructed (see map) along with clean and dirty water diversions to allow potential runoff to access the VTA. Minor re-grading of feeding areas to accommodate runoff access to VTA. Manure will be left in the lot during the summer months to act as a sponge for any potential storm events.

Describe in detail all temporary, permanent and structural Best Management Practices (BMPs) which will be used to control runoff of pollutants from facility's land production area. Indicate the location of these practices. If not already in use, include a schedule for implementation of each of these measures. Attached details and specifications may be used to supplement this description. Examples of BMP measures could include but are not limited to: maintaining setbacks from surface waters for manure applications; managing irrigation practices to prevent ponding of wastewater on land application sites;

never spray irrigating wa	ste on to frozen ground	1: consulting with the Depa	artment prior to applying any				
liquid waste to frozen or s	snow-covered ground;	applying wastes at agronon	nic rates.				
Land Application BMP's N/A							
Buffers	Yes No	Conservation Tillage	✓ Yes No				
Constructed Wetlands	Yes No	Grass Filter	Yes No				
Infiltration Field	Yes No	Residue Management	✓ Yes No				
Set backs	Yes No	Terrace	Yes No				
Other examples Irrigation Water Manager	ment, Nutrient Manage	ement					
		Record Keeping – Guidan					
-		•	of NMP, proper operation and				
•		as described in Part 2 of the	-				
Has a guidance document	been developed for the	e facility? ☐ Yes ✓ No)				
Certify the document add	ress the following requ	irements:					
Implementation of the NM	MP: Yes	No					
Facility operation and mai	intenance: Yes	 □ No					
Record keeping and reporting Yes No							
Sample collection and analysis:							
Manure transfer							
Provide name, date and location of most recent documentation:							
_							
If your answer to any of to Owner is currently develo		o, provide explanation: cument with the assistance	e of NRCS				

Section	$\mathbf{E} - \mathbf{L}$	and A	ga	ication
---------	---------------------------	-------	----	---------

Will manure be land applied to land either owned, rented, or leased by the owner or operator of the facility?

Yes If yes, then the information requested in Section E must be provided.

No If no, then provide an explanation of how animal waste at this facility are managed.

All manure will be exported to land outside of Applicants control.

Photos and/or Maps

Attach an aerial photograph or map of the site where manure is to be applied. (Use multiple photos/maps if necessary to show required details.) The photo(s)/map(s) must be printed on no larger than an 11"X 17" piece of paper, and must clearly identify the following items:

- Individual field boundaries for all planned land application areas
- A name, number, letter or other means of identifying each individual land application field
- The location of any downgradient surface waters.
- The location of any downgradient open tile line intake structures
- The location of any downgradient sinkholes
- The location of any downgradient agricultural well heads
- The location of all conduits to surface waters
- The specific manure/waste handling or nutrient management restrictions associated with each land application field
- The soil type(s) present and their locations within the individual land application field(s)
- The location of buffers and setbacks around state surface waters, well heads, etc.

Land Application Equipment Calibration

Describe the type of equipment used to land apply wastes and the calibration procedures:

N/A

Manure Sampling and Analysis Procedures

A representative manure sample will be analyzed a minimum of once annually for Total Nitrogen, and Total Phosphorus. Analysis results will be reported in lbs/ton or lbs/1,000 gal. Results of these analyses will be used in determining rates for manure, litter, and process wastewater.

Manure Sample collection will occur according to ARM 17.30.1334

Other (describe)

Manure will be sampled prior to export and a copy of the analysis will be provided to recipient of manure

Soil Sampling and Analysis Procedures

Representative soil (composite) samples from the top 6 inches layer of soil for each field where manure will be applied must be analyzed for phosphorus content at least once every three years. Analyses will be conducted by a qualified laboratory, using the Olsen P test. Results will be reported in parts per million (ppm) and will be used in determining application rates for manure, litter, and process wastewater

Soil samples collection will occur according the methods in ARM 17.30.1334

Other (describe)

Phosphorus Risk Assessment

The permittee shall access the risk of phosphorus contamination of state waters. An assessment shall be conducted for each field, under the control of the operator, to which manure, litter or process wastewater will or

may be applied. If a new field is added in the future, then the permittee must submit a revised (modified) NMP. The permittee has the option of using Method A or Method B (below) to complete the assessment. Copies of all tables and calculations used to complete the assessments, as well as the results of the assessments, shall be submitted to the Department and copies shall be maintained on-site at the facility and available for Departmental review. The results of the assessments shall be used to determine the appropriate basis for land application of wastes from the facility.

Method Used

Indicate which method will be used to determine phosphorus application:

Method A – Representative Soil Sample

Method B – Phosphorus Index

Method A - Representative Soil Sample

- a. Obtain one or more representative soil sample(s) from the field per 17.30.1334
- b. Have the sample analyzed for Phosphorus by a qualified lab. The "Olsen P test" must be used for the analysis, and the result must be reported in parts per million (ppm)
- c. Using the results of the Olsen P test, determine application basis according to the Table below.

Soil Test

Olsen P Soil Test Results (ppm)	Application Basis			
<25.0	Nitrogen Needs of Crop			
25.1 - 100.0	Phosphorus Needs of Crop			
100.0 - 150.0	Phosphorus Needs up to Crop Removal Rate			
>150.0	No Application allowed			

Method B - Phosphorus Index

- a. Complete a phosphorus Index according to the crop grown on each field. Complete table in Appendix A to calculate phosphorus index. For information on filling out specific sections in Appendix A, please refer to the method as described in Natural Resource Conservation Service (NRCS), Agronomy Technical Note MT-77 (rev3), January 2006.
- b. Using the calculated Total Phosphorus Index Value, assign the overall site/field vulnerability to phosphorus loss according to the table below.

Total Phosphorus

Total Phosphorus Index Value	Site Vulnerability to Phosphorus Loss		
<11	Low		
11-21	Medium		
22-43	High		
>43	Very High		

c. Using the calculated Site Vulnerability to Phosphorus Loss, determine the appropriate application basis according to the table below.

Site Vulnerability to Phosphorus Loss	Application Basis
Low	Nitrogen Needs
Medium	Nitrogen Needs
High	Phosphorus Need Up to Crop Removal
Very High	Phosphorus Crop Removal or No Application

The applicant has 2 ways in which to report how manure or process wastewater application rates can be reported to DEQ.

- 1. Linear Approach. Expresses rates of application as pounds of nitrogen and phosphorus. CAFOs selecting the linear approach to address rates of application must include in the NMP submitted to the permitting authority the following information for each crop, field, and year covered by the NMP, which will be used by the permitting authority to establish site-specific permit terms:
- The maximum application rate (pounds/acre/year of nitrogen and phosphorus) from manure, litter, and process wastewater.
- The outcome of the field-specific assessment of the potential for nitrogen and phosphorus transport from each field. [If a state does not have an N transport risk assessment, the NMP must document any basis for assuming that nitrogen will be fully used by crops.] The CAFO must specify any conservation practices used in calculating the risk rating.
- The crops to be planted or any other uses of a field such as pasture or fallow fields.
- The realistic annual yield goal for each crop or use identified for each field.
- The nitrogen and phosphorus recommendations from in ARM 17.30.1334 (technical standard) for each crop or use identified for each field.
- Credits for all residual nitrogen in each field that will be plant-available.
- Consideration of multi-year phosphorus application. For any field where nutrients are applied at a rate based on the crop phosphorus requirement, the NMP must account for single-year nutrient applications that supply more than the crop's annual phosphorus requirement.
- All other additions of plant available nitrogen and phosphorus (i.e., from sources other than manure, litter, or process wastewater or credits for residual nitrogen).
- The form and source of manure, litter, and process wastewater to be land-applied.
- The timing and method of land application. The NMP also must include storage capacities needed to ensure adequate storage that accommodates the timing indicated.
- The methodology that will be used to account for the amount of nitrogen and phosphorus in the manure, litter, and wastewater to be applied.
- Any other factors necessary to determine the maximum application rate identified in accordance with this Linear Approach.
- 2. Narrative Rate Approach. Expresses a narrative rate of application that results in the amount, in tons or gallons, of manure, litter, and process wastewater to be land applied. CAFOs selecting the narrative rate approach to address rates of application must include in the NMP submitted to the permitting authority the following information for each crop, field, and year covered by the NMP, which will be used by the permitting authority to establish site-specific permit terms:
- The maximum amounts of nitrogen and phosphorus that will be derived from all sources of nutrients (pounds/acre for each crop and field).
- The outcome of the field-specific assessment of the potential for nitrogen and phosphorus transport from each field. The CAFO must specify any conservation practices used in calculating the risk rating.
- The crops to be planted in each field or any other uses of a field such as pasture or fallow fields, including alternative crops if applicable. Any alternative crops included in the NMP must be listed by field, in addition to the crops identified in the planned crop rotation for that field.
- The realistic annual yield goal for each crop or use identified for each field for each year, including any alternative crops identified.
- The nitrogen and phosphorus recommendations from [the permitting authority to specify acceptable sources] for each crop or use identified for each field, including any alternative crops identified.
- The methodology (including formulas, sources of data, protocols for making determination, etc.) and actual data that will be used to account for: (1) the results of soil tests required by Parts II.A.4.b and III.A.3.g of this

permit, (2) credits for all nitrogen in the field that will be plant-available, (3) the amount of nitrogen and phosphorus in the manure, litter, and process wastewater to be applied, (4) consideration of multi-year phosphorus application (for any field where nutrients are applied at a rate based on the crop phosphorus requirement, the methodology must account for single-year nutrient applications that supply more than the crop's annual phosphorus requirement), (5) all other additions of plant available nitrogen and phosphorus to the field (i.e., from sources other than manure, litter, or process wastewater or credits for residual nitrogen), (6) timing and method of land application, and (7) volatilization of nitrogen and mineralization of organic nitrogen.

• Any other factors necessary to determine the amounts of nitrogen and phosphorus to be applied in accordance with the Narrative Rate Approach.

• NMPs using the Narrative Rate Approach must also include the following projections, which will not be used by the permitting authority in establishing site-specific permit terms:

i. Planned crop rotations for each field for the period of permit coverage.

ii. Projected amount of manure, litter, or process wastewater to be applied.

iii. Projected credits for all nitrogen in the field that will be plant-available.

iv. Consideration of multi-year phosphorus application.

v. Accounting for other additions of plant-available nitrogen and phosphorus to the field.

vi. The predicted form, source, and method of application of manure, litter, and process wastewater for each crop

• If the receiving water is on the 303(d) list for nutrients then the narrative rate approach must be used.

a. For the Linear Approach the permittee will complete the Nutrient Budget Worksheet, below, for the next 5 years to which manure or process waste water is or may be applied. A copy of each Nutrient Budget Worksheet will be maintained on site, and a copy will be submitted to the Department.

Nut	trient	Budget Worksheet					
Fie	ld ide	ntification: Year	: C	rop:			
Exp	ectec	l Crop Yield:					
Phosphorus index results or Phosphorus application from soil test:							
Method of Application:							
When will application occur:							
Nutrient Budget			Nitrogen-based Application	Phosphorus- based Application	Source of information		
1		Crop Nutrient Needs, lbs/acre					
2	(-)	Credits from previous legume crops, lbs/ac			,		
3	(-)	Residuals from past manure production lbs/acre					
4	(-)	Nutrients supplied by commercial fertilizer and Biosolids, lbs/acre					
5	(-)	Nutrients supplied in irrigation water, lbs/acre	9				
6		= Additional Nutrients Needed, lbs/acre					
	1000						
7		Total Nitrogen and Phosphorus in manure, lbs/ton or lbs/1000 gal (from manure test)					
8	(x)	Nutrient Availability factor, for Phosphorus based application use 1.0					
9		= Available Nutrients in Manure, lbs/ton or lbs/1000 gal	· · · · · · · · · · · · · · · · · · ·	THE THE PROPERTY OF THE PROPER	NCONTEXTUURISH BAFFWARE TUSTON IN		
			Service Control				
10		Additional Nutrients needed, lbs/acre (calculated above)					
11	(/)	Available Nutrients in Manure, lbs/ton or lbs/1000 gal (calculated above)					
12		= Manure Application Rate, tons/acre or 1000 gal/acre		8			

Comments:

Section F - CERTIFICATION

Permittee Information: This form must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA]

A. Name (Type or Print) Geral & Schrocke	by Farry A. Jerk	· POA
B. Title (Type or Print)	Power of Attorney	C. Phone No.
D. Signature	Juny a Jahre	E. Date Signed 11/72 16

The Department will not process this form until all of the requested information is supplied, and the appropriate fees are paid. Return this form and the applicable fee to:

Department of Environmental Quality
Water Protection Bureau
PO Box 200901
Helena, MT 59620-0901
(406) 444-3080



